CONTENTS

PREFACE	9
THE HUMAN: ALIEN IN THE ROBOTIC ENVIRONMENT? Robert J. Miller	11
JAPANESE ROBOTICS: CHALLENGE AND—LIMITED—EXEMPLAR	
Leonard Lynn	16
ROBOTIC REALITIES: NEAR-TERM PROSPECTS AND PROBLEMS	
	28
TECHNOLOGY FOR THE FACTORY OF THE FUTURE	
James Lawson, John Reidy, G. Frederick Renner, Karen Rosen, and Lise Smolak	56
DESIGN OF THE AUTOMATED FACTORY: MORE THAN ROBOTS	
Gerald Nadler and Gordon H. Robinson	68
IMPACTS OF THE HIGH TECHNOLOGIES ON VOCATIONAL AND	
TECHNICAL EDUCATION Warren H. Groff	81
COMPUTER AIDED DESIGN AND COMPUTER AIDED MANUFACTURING:	
THE WISCONSIN EXPERIENCE	95
WANTED: MANAGERS FOR THE FACTORY OF THE FUTURE	
Wickham Skinner	102
TECHNOLOGY, COMPETITION, AND EMPLOYMENT Harvey Brooks	115
FLEXIBLE MANUFACTURING SYSTEMS: ROBOTICS AND	
COMPUTERIZED AUTOMATION M. Eugene Merchant	123
THE UNMANNED FACTORY AND THE COMMUNITY Louis A. Ferman	136
WORKERS, UNIONS, AND INDUSTRIAL ROBOTICS Thomas L. Weekley	146
ELECTRONICS AND THE FUTURE OF WORK: THE IMPACT ON	
PINK AND WHITE COLLAR WORKERS Doris B. McLaughlin	152
TECHNOLOGY AND EMPLOYMENT IN TELECOMMUNICATIONS	
	163
THE ARTIFICIAL ALIEN: TRANSFORMATIONS OF THE	
ROBOT IN SCIENCE FICTION Morion Klass	171
REPORT OF THE BOARD OF DIRECTORS	180
BOOK DEPARTMENT	183
INDEX	212

BOOK DEPARTMENT CONTENTS

INTERNATIONAL RELATIONS AND POLITICS

FALK, RICHARD. Human Rights and State Sovereignty. William Safran	183
KANIN, DAVID B. A Political History of the Olympic Games. James H. Frey	184
MURRAY, DOUGLAS J. and PAUL R. VIOTTI, eds. The Defense Policies of Nations:	
A Comparative Study. Dan Caldwell	185
PERKINS, JOHN A. The Prudent Peace: Law as Foreign Policy. Joseph E. Kalet	186
TILL, GEOFFREY et al. Maritime Strategy and the Nuclear Age. David Fellman	187
AFRICA, ASIA, AND LATIN AMERICA	
ALEXANDER, ROBERT J. Rómulo Betancourt and the Transformation of Venezuela.	187
Susan Ramirez	188
HUGHES, COLIN A. Race and Politics in the Bahamas, David D. Gilmore	100
JUERGENSMEYER, MARK. Religion as Social Vision: The Movement Against Untouchability in Twentieth Century Punjab. David Ludden	189
JUPP, JAMES. Party Politics: Australia 1966-81. E. P. Aimer	190
KHÁNH, HUỲNH KIM. Vietnamese Communism 1925-1945. Stanley Rosen	190
EUROPE	
BROWNING, REED. Political and Constitutional Ideas of the Court Whigs. Holden Furber	191
EDELSTEIN, ALAN. An Unacknowledged Harmony: Philo-Semitism and the Survival of European Jewry. Hans E. Segal	192
FIDLER, JOHN. The British Business Elite, Its Attitudes to Class, Status and Power. Broadus Mitchell	193
FIELD, JOHN H. Toward a Programme of Imperial Life: The British Empire at the Turn of the Century. Thomas R. Metcalf	194
UNGER, ARYEH L. Constitutional Development in the USSR: A Guide to the Soviet Constitutions. David Hecht	195
YANEY, GEORGE. The Urge to Mobilize: Agrarian Reform in Russia, 1861-1930. Forrestt A. Miller	195
UNITED STATES	
BLECHMAN, BARRY, ed. Rethinking the U.S. Strategic Posture; and HUNTINGTON, SAMUEL P., ed. The Strategic Imperative: New Policies for American Security. George H. Quester	196
DUFFY, JOHN J. and H. NICHOLAS MULLER III. An Anxious Democracy: Aspects of the 1830s. Louis Billington	197
LAKE, ROBERT W. The New Suburbanites: Race and Housing in the Suburbs. Surinder K. Mehta	198
ROSTOW, W. W. Europe after Stalin: Eisenhower's Three Decisions of March 11, 1953. Louis Furmanski	199
SOCIOLOGY	
AMATO, JOSEPH ANTHONY, II. Guilt and Gratitude: A Study of the Origins of Contemporary Conscience. Alfred McClung Lee	200

HOLLAND, NORMAN H. Laughing: A Psychology of Humor. Sanford B. Steever	201
LERNER, MELVIN J. and SALLY C. LERNER, eds. The Justice Motive in Social Behavior: Adapting to Times of Scarcity and Change. Michael Fabricant	202
REAMER, FREDERIC G. Ethical Dilemmas in Social Service. Florence P. Engelhardt	203
ECONOMICS	
MEAGHER, ROBERT F. An International Distribution of Wealth and Power: A Study of the Charter of Economic Rights and Duties of States. Jerome Segal	204
MUNNELL, ALICIA H. The Economics of Private Pensions. Lou Ferleger	205
OUCHI, WILLIAM G. Theory Z: How American Business Can Meet the Japanese Challenge.	206